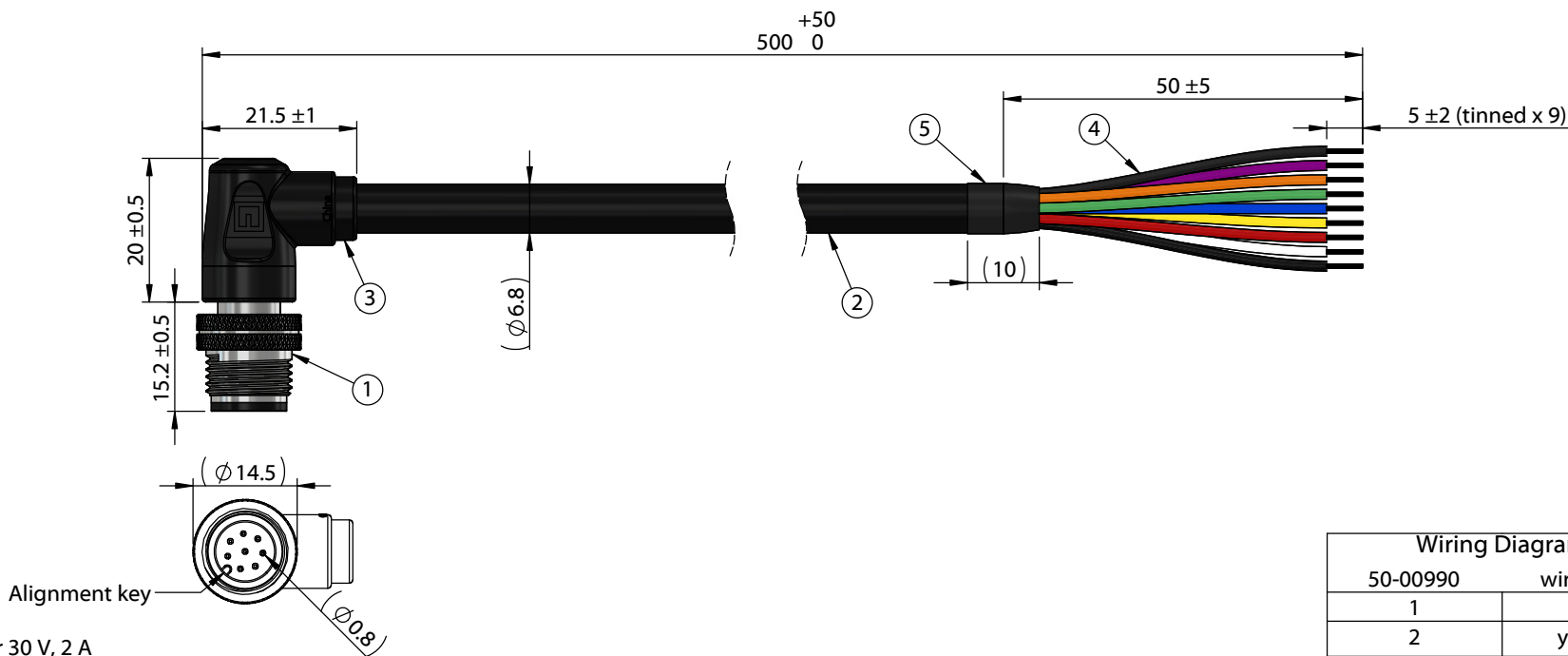


| ITEM NO. | PART NUMBER | DESCRIPTION  | QTY. | COMPONENT NOTES      |
|----------|-------------|--|------|----------------------|
| 1        | 50-00990    | Connector, 8 pin M12 A-code plug, 12xL22mm, gold plated, molding style, solder cup, IP67, shielded | 1    |                      |
| 2        | 30-01611    | Wire, 8C TS, 24 AWG, UL20387, 300V, 105C, 60C oil, UV, 6.8 mm, shielded, VW-1, PVC, 80A, black     | 1    |                      |
| 3        | 24-00361    | Overmold, M12 plug and jack, 90°   | 1    | PVC, black           |
| 4        | Heat Shrink | Heat shrink, black   | 1    | covers drain         |
| 5        | Heat Shrink | Heat shrink, black   | 1    | covers end of jacket |

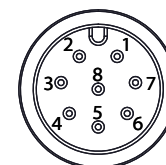


**Notes:**

Cable rated for 30 V, 2 A  
 Temperature: -40 ~ 105 °C  
 Oil resistant up to 60 °C  
 Water resistant up to 75 °C  
 UV resistant

IP67 waterproof rating when mated with corresponding (IP67) connector

Functionally equivalent components may be substituted



Front View  
Not to Scale

| Wiring Diagram |              |
|----------------|--------------|
| 50-00990       | wire color   |
| 1              | red          |
| 2              | yellow       |
| 3              | black        |
| 4              | white        |
| 5              | orange       |
| 6              | blue         |
| 7              | green        |
| 8              | purple       |
| Shell          | shield/drain |

|             |                  |                              |  |   |   |                       |
|-------------|------------------|------------------------------|--|---|---|-----------------------|
| Revision: A | Date: 12/30/2021 | Description: Initial release | Prepared: PB<br><small>Digitally signed by PB Date: 2022.01.07 15:38:52 -0800</small>            | Notes: RoHS compliant   | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118<br/>         fax 1.541.323.4202 web tensility.com</p> |                       |
|             |                  |                              | Verified: MP<br><small>Digitally signed by MP Date: 2022.01.14 14:20:45 -0800</small>            | Function test: no open, no short circuit, no intermittent   |   |                       |
|             |                  |                              | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description: Cable, 500 mm, 0.8 mm 8C 90° 50-00990 M12 plug to 5 mm tinned, 24 AWG, 30-01611 wire, shielded |   |                       |
|             |                  |                              |  |   | Size: A   | Part number: 10-04745 |
|             |                  |                              |  |   | Scale: 1:1  | Sheet 1 of 1          |

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To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com